

Figure 1 Overv. ~

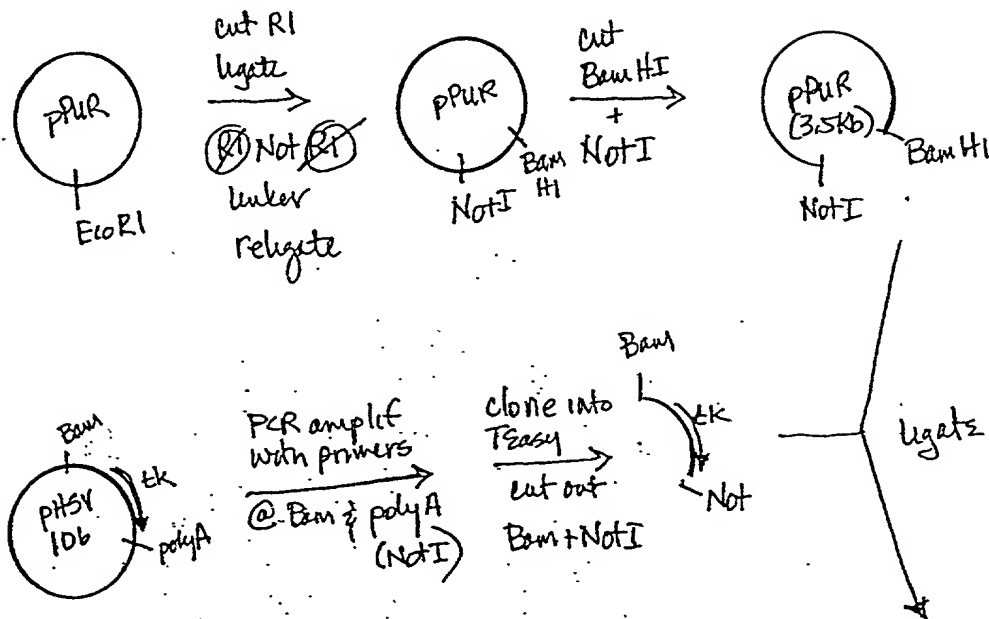


Figure 1a

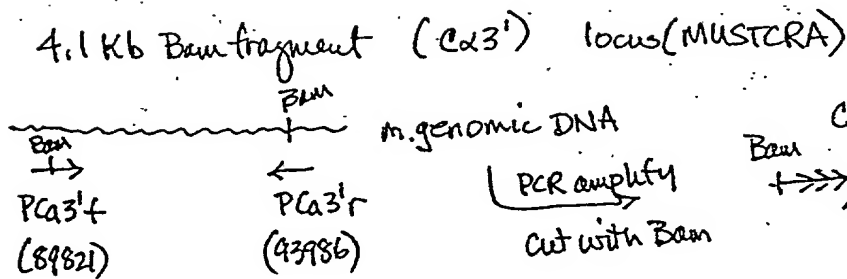
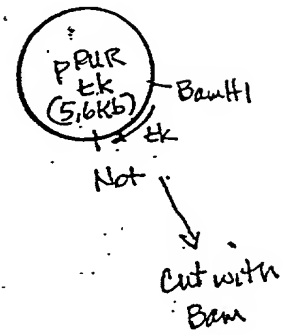


Figure 1b

Figure 1c

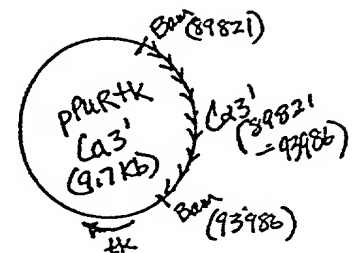


Figure 1 overview Cont.

4.8 Kb NdeI fragment (Ca5') locus MUSTCRA

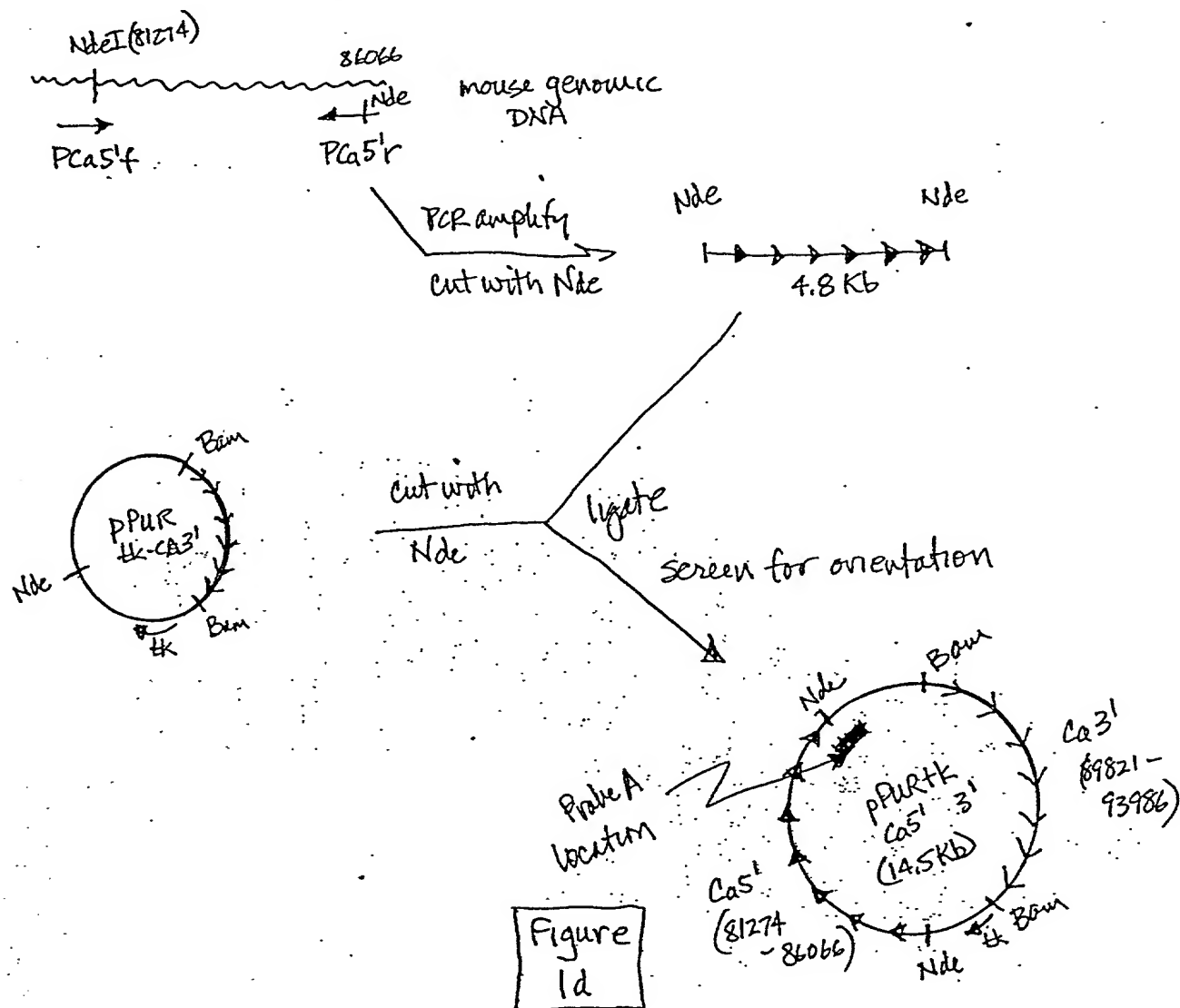
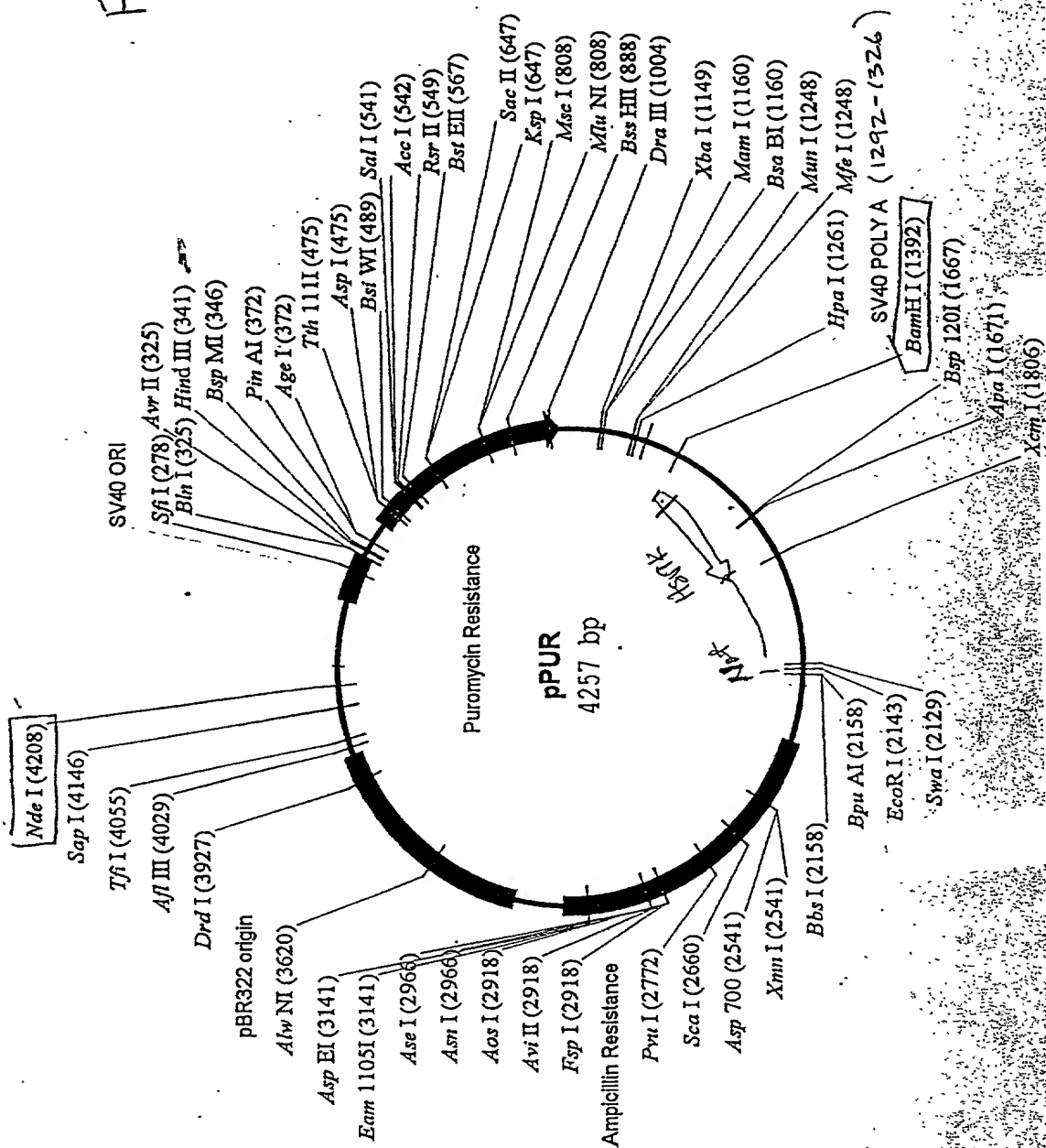


Fig. 1E



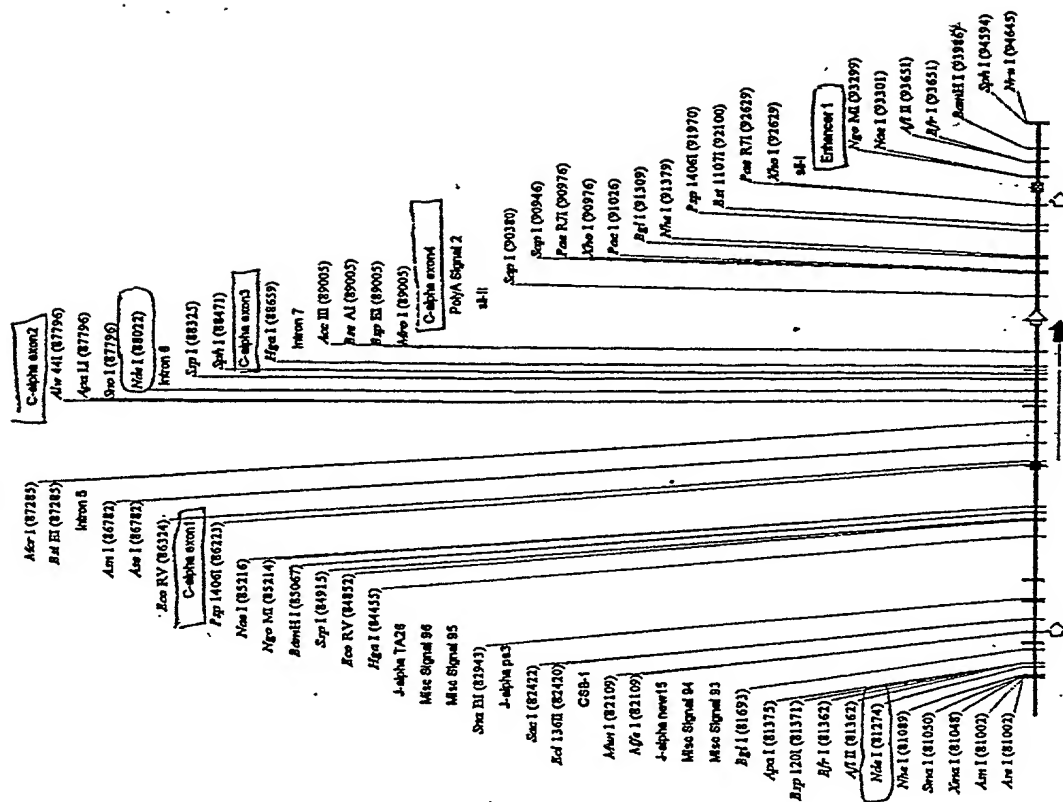


Fig. 1F

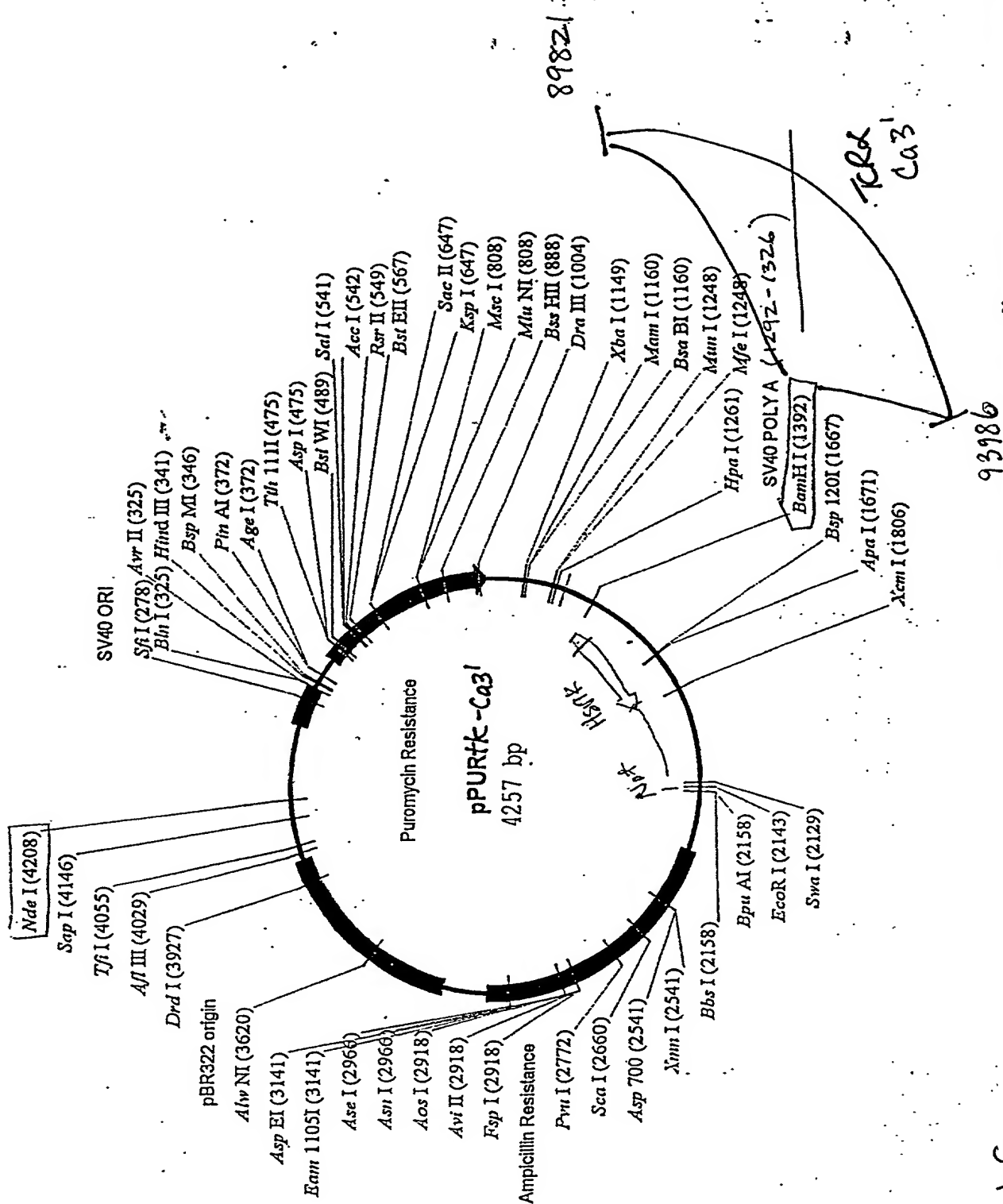
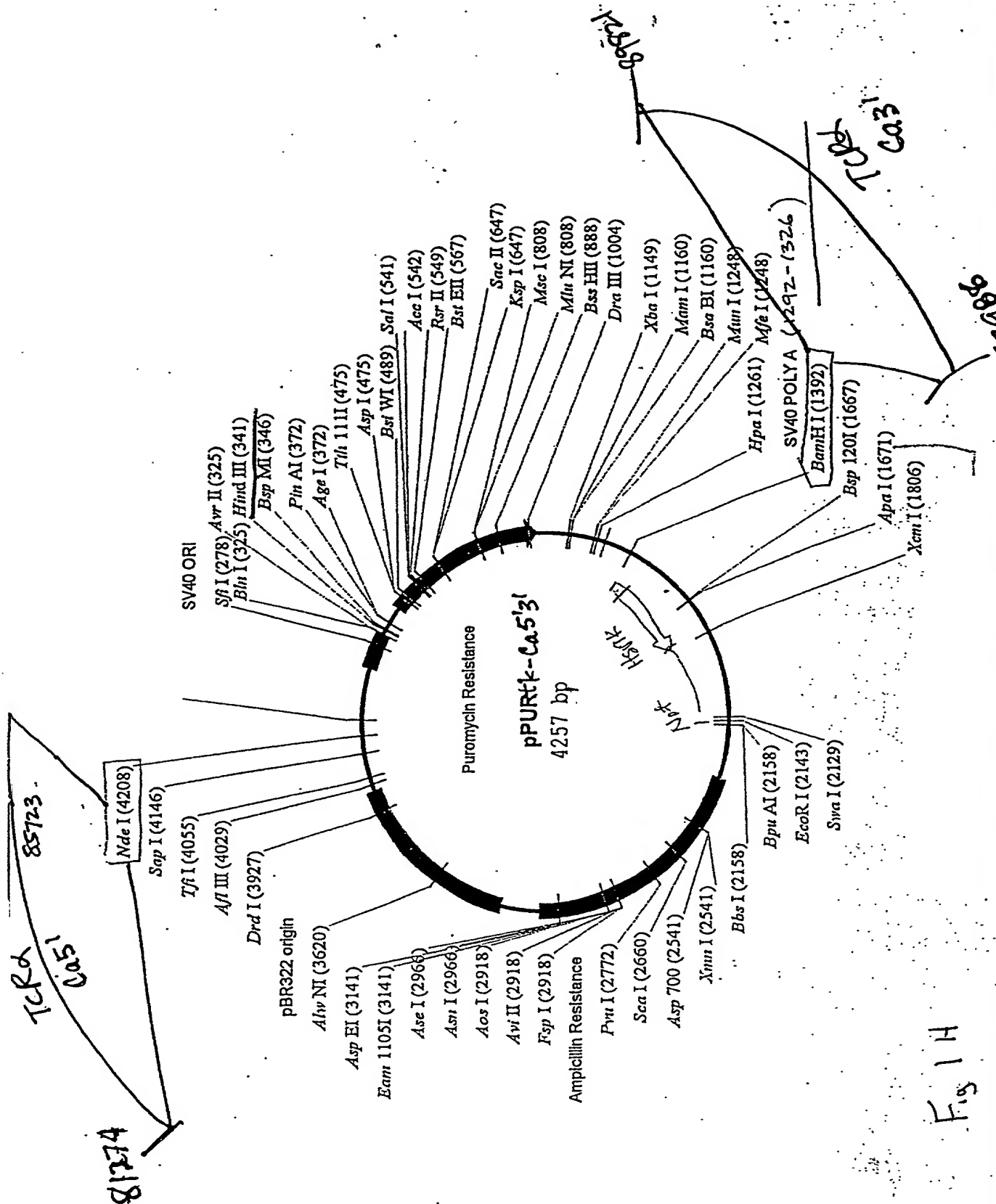
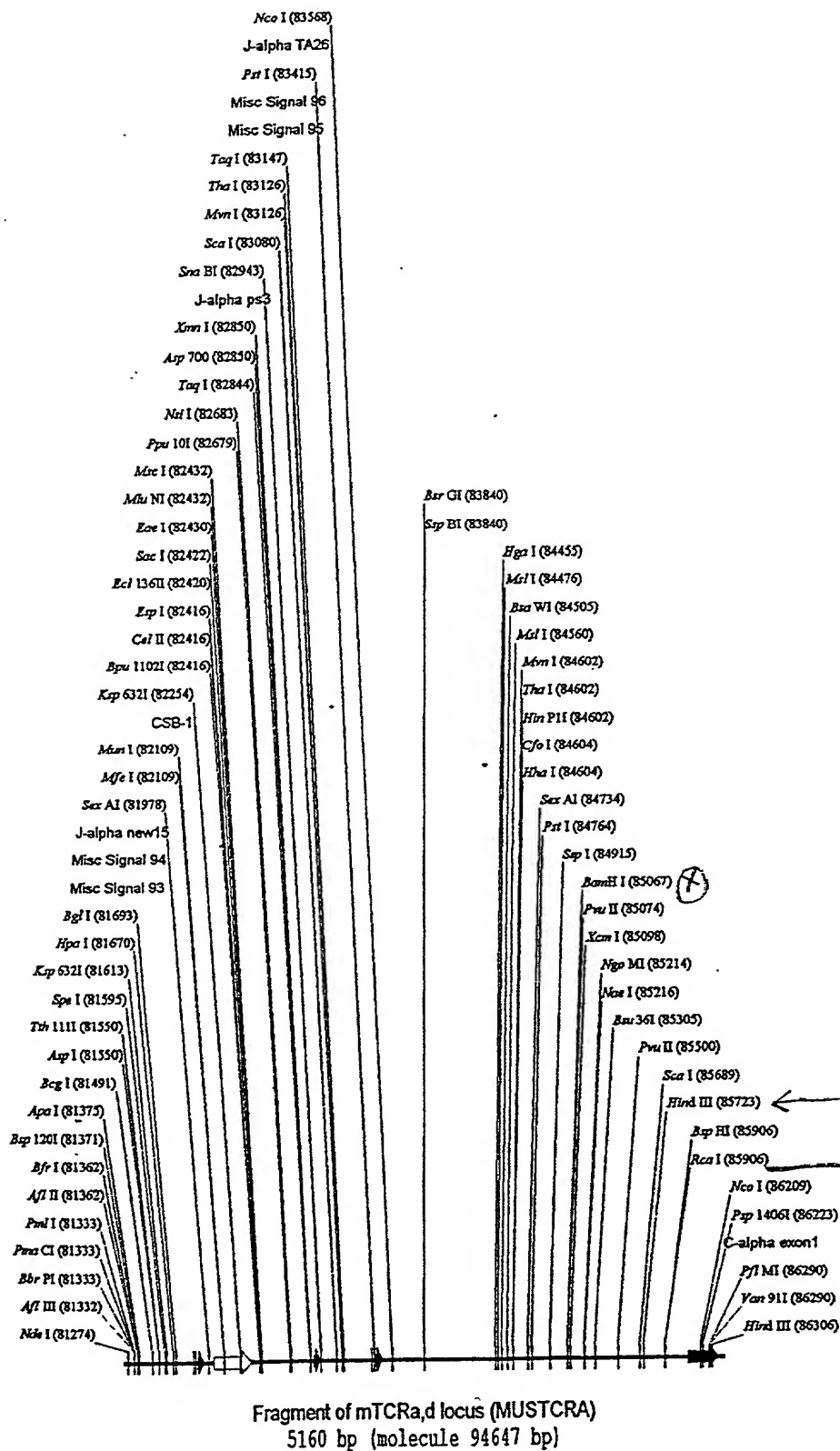


Fig. 1G

86066



1004649200T



Probe a
fragment
pPur
86061
85923 (H3a)

Nde site
was subed
@ 86061

Fig. 1 I

Figure 2 Overview

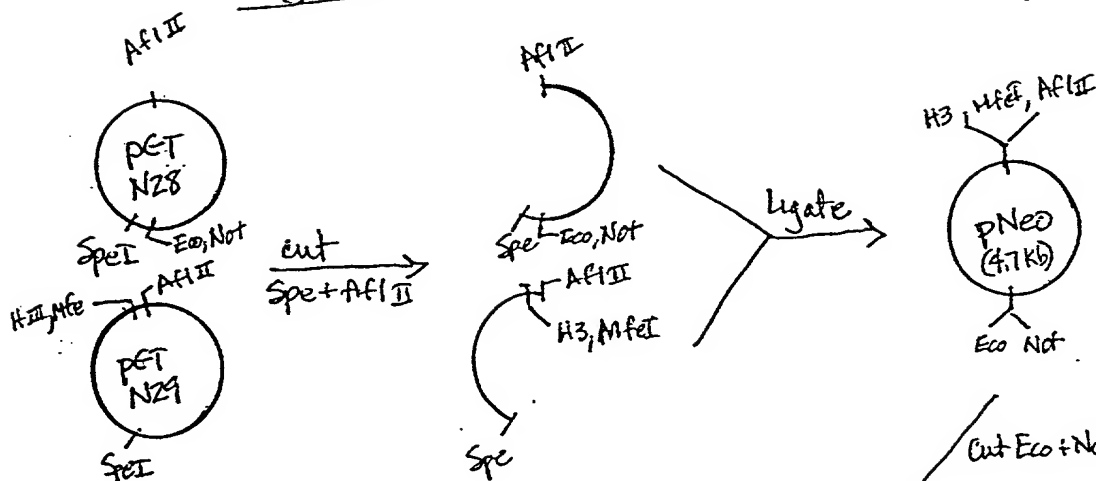


Figure 2d

Fragment of mTCRbeta locus 3'

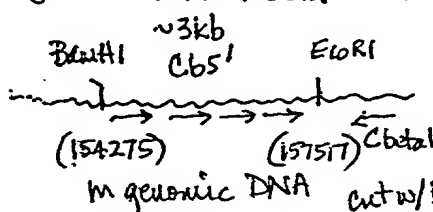


Figure 2a, 2b

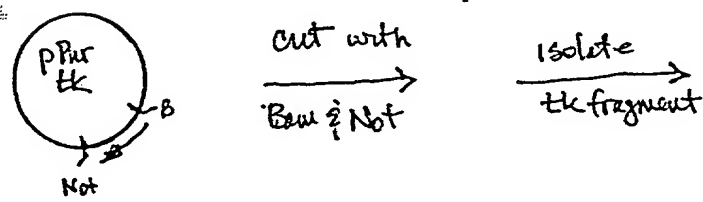


Figure 1a

Fragment of mTCRbeta locus 3'

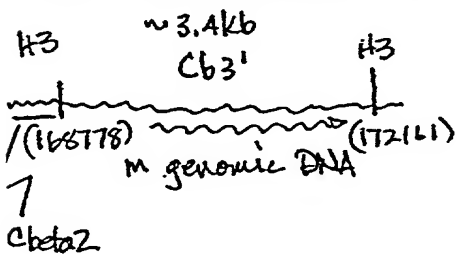
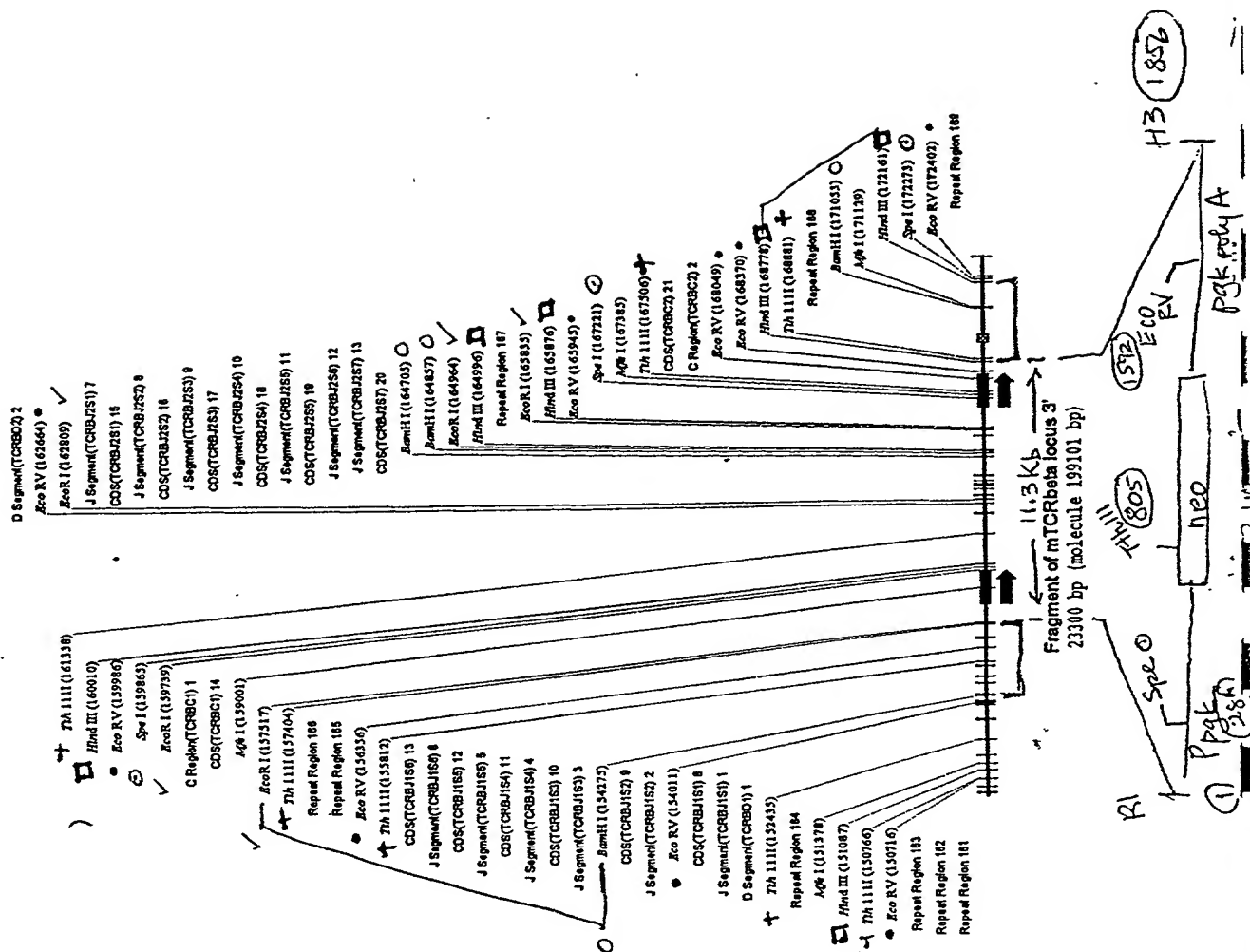
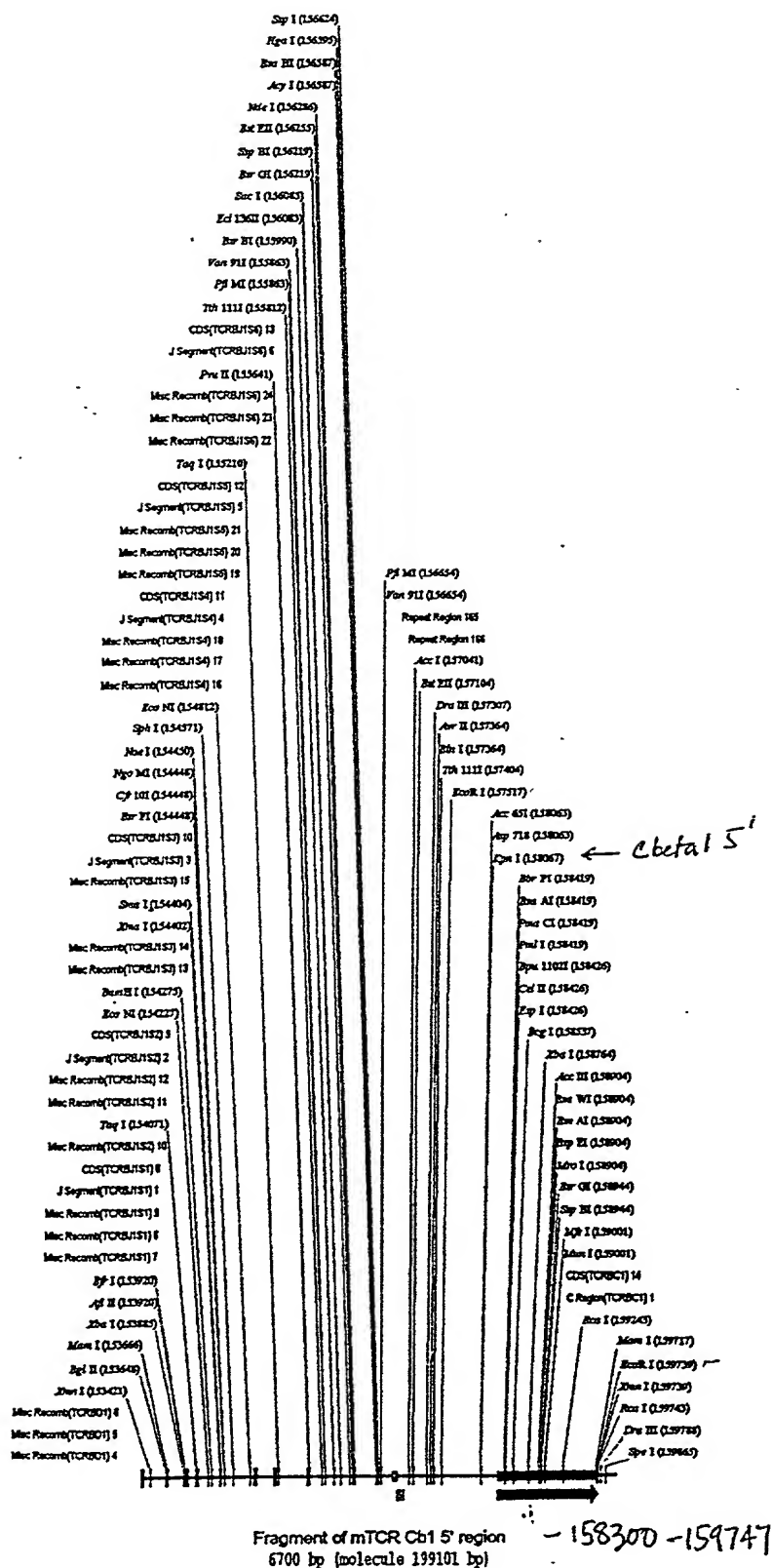


Figure 2a, 2c

Fig 2a





TOP SECRET

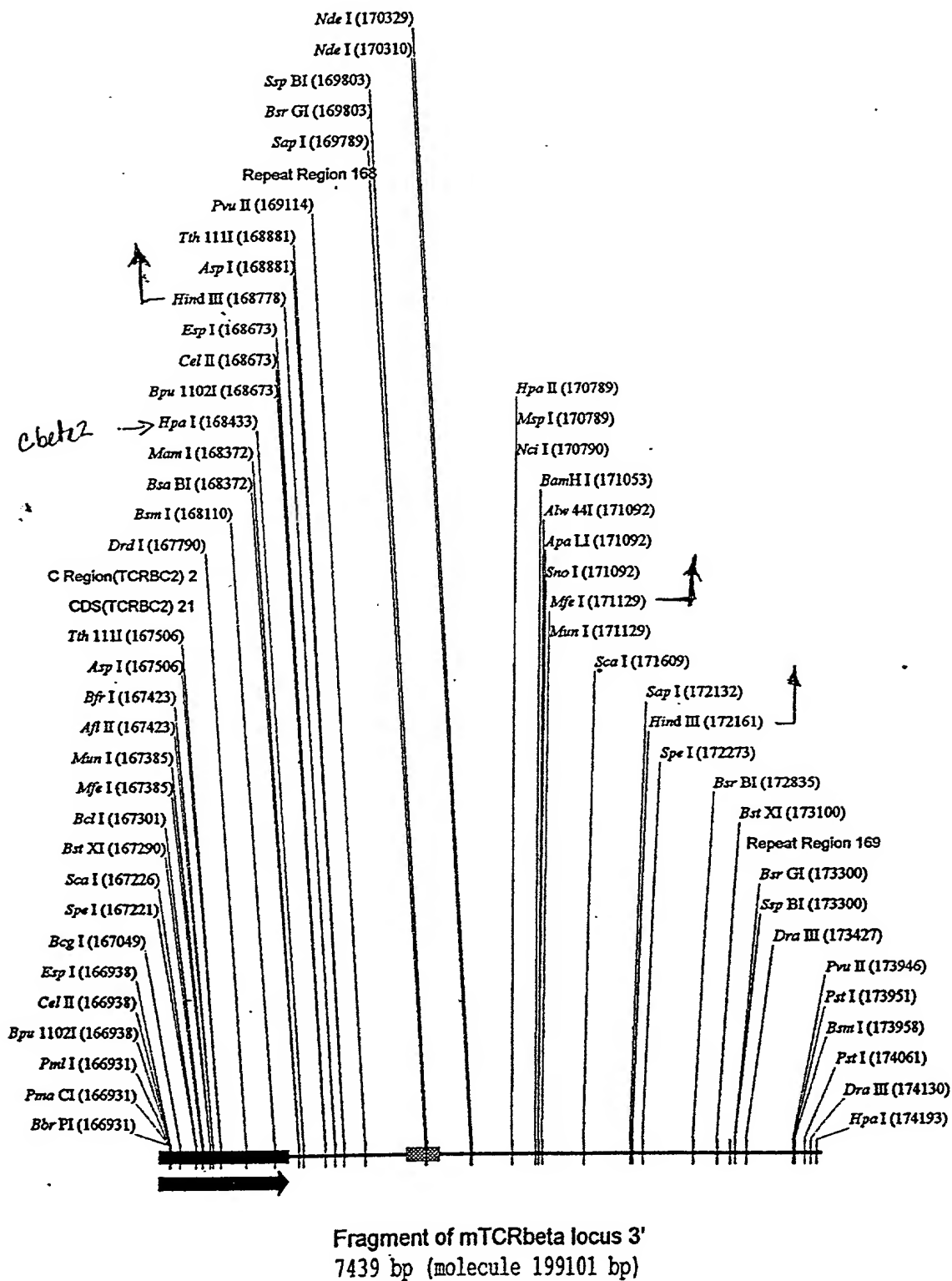


Fig. 2c

T06T03 2434200

① $\text{SpeI} \rightarrow \text{AflII}$
from pGT-N39
pGT-N28
= pNEO

Construction of
pNEOtk-Cb5'3'
① = pNEO
② = pNEO-Cb5'
③ = pNEOtk-Cb5'
④ = pNEOtk-Cb5'3'

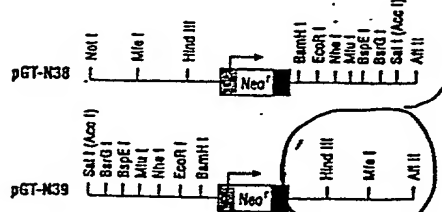
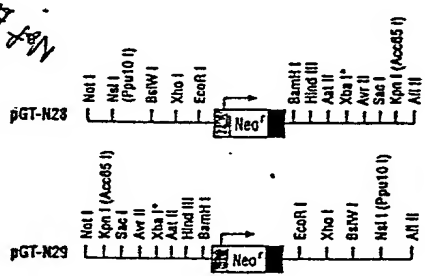
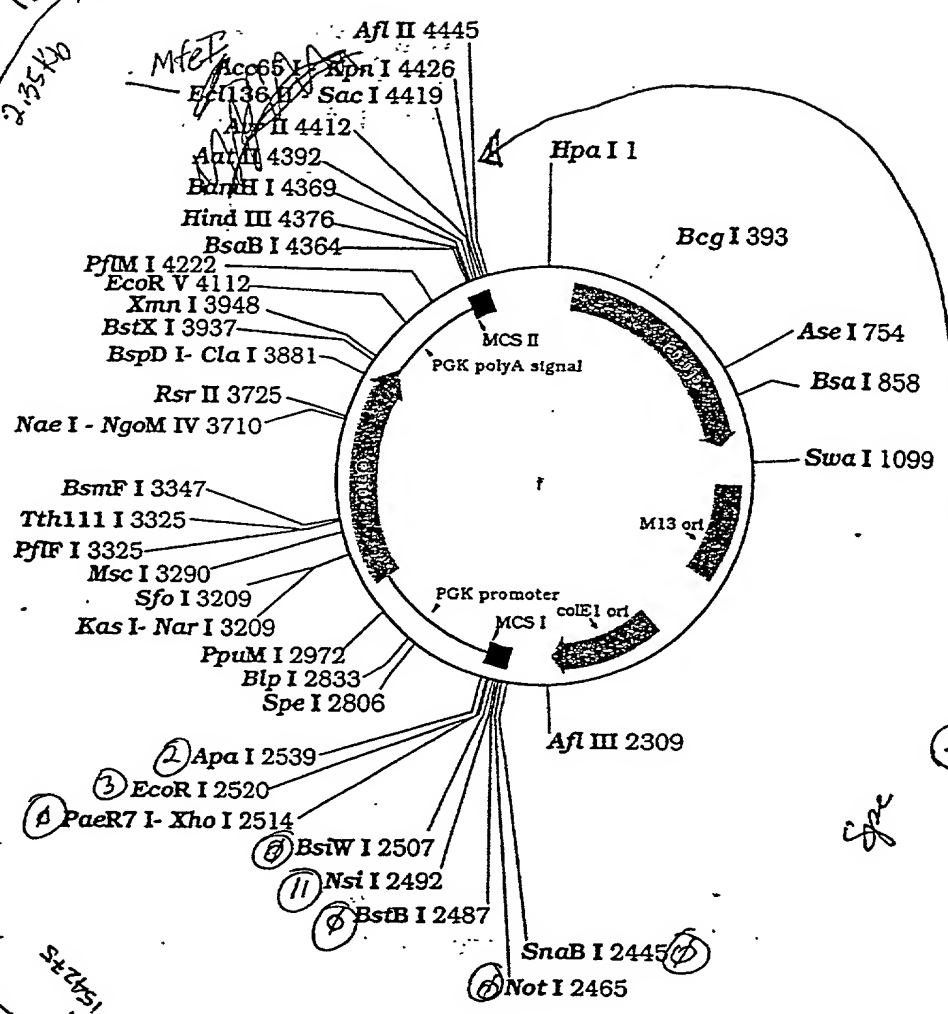
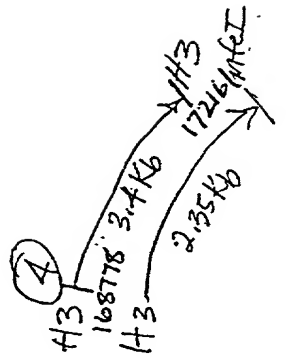
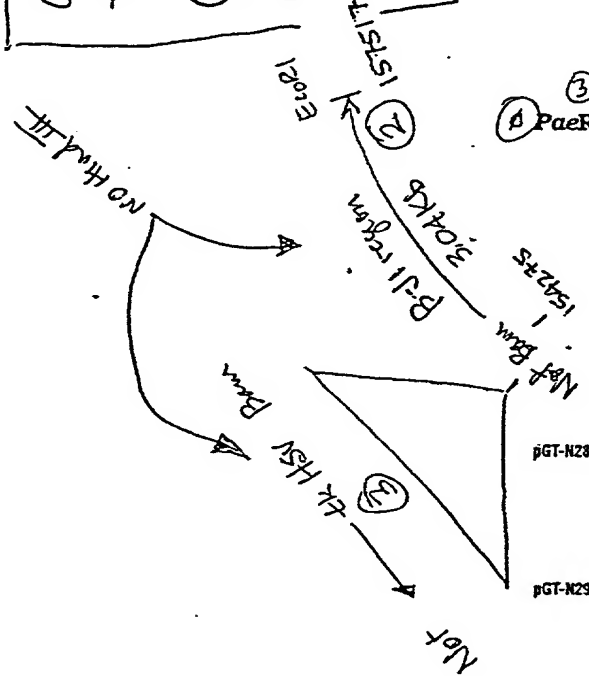
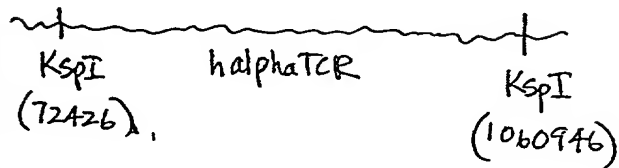


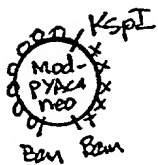
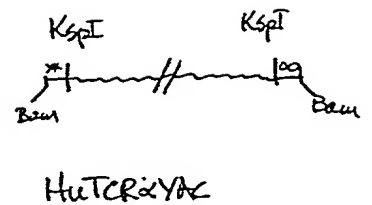
Fig. 2d.

Figure 4. OVERVIEW

human chromosomal DNA
Chromosome 14 locus 14q11.2



KspI digest → size fractionate → isolate
pulsed electrophoresis fragment ~1 megabase



KspI + BamHI → dephosphorylate

1004643-149

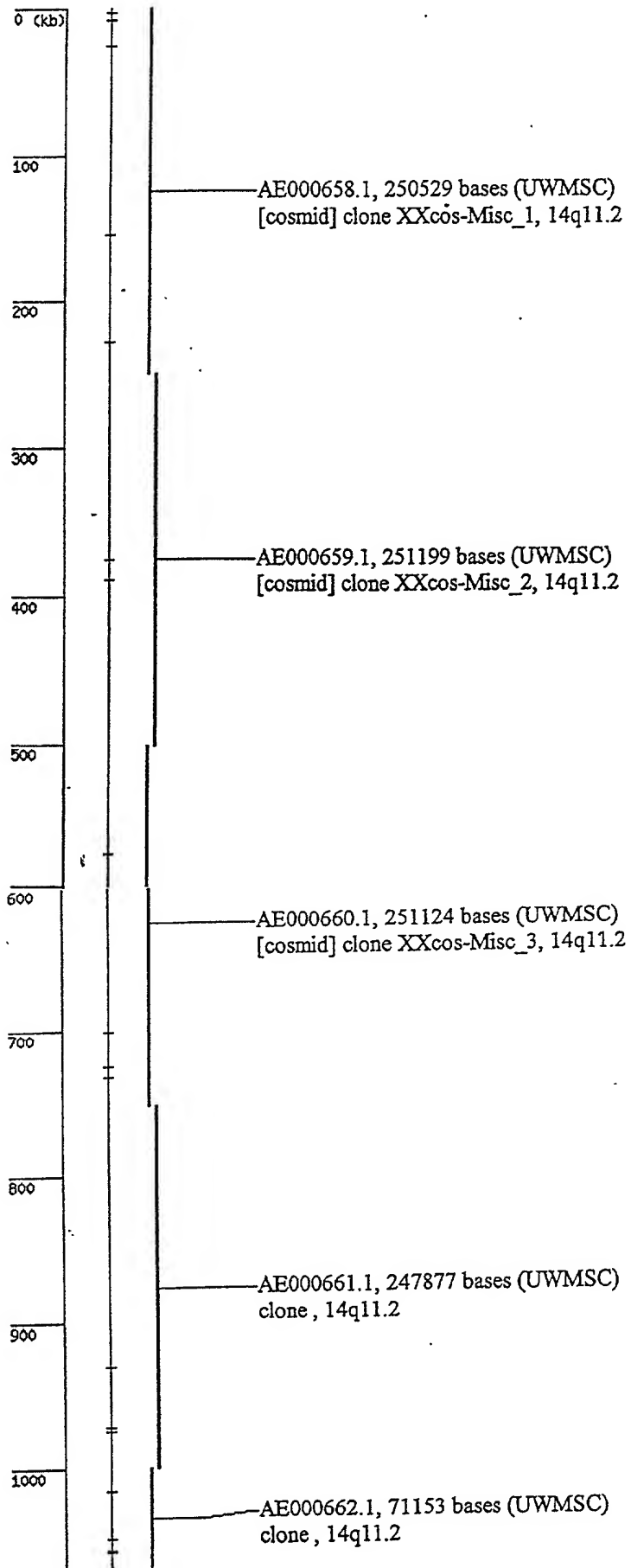
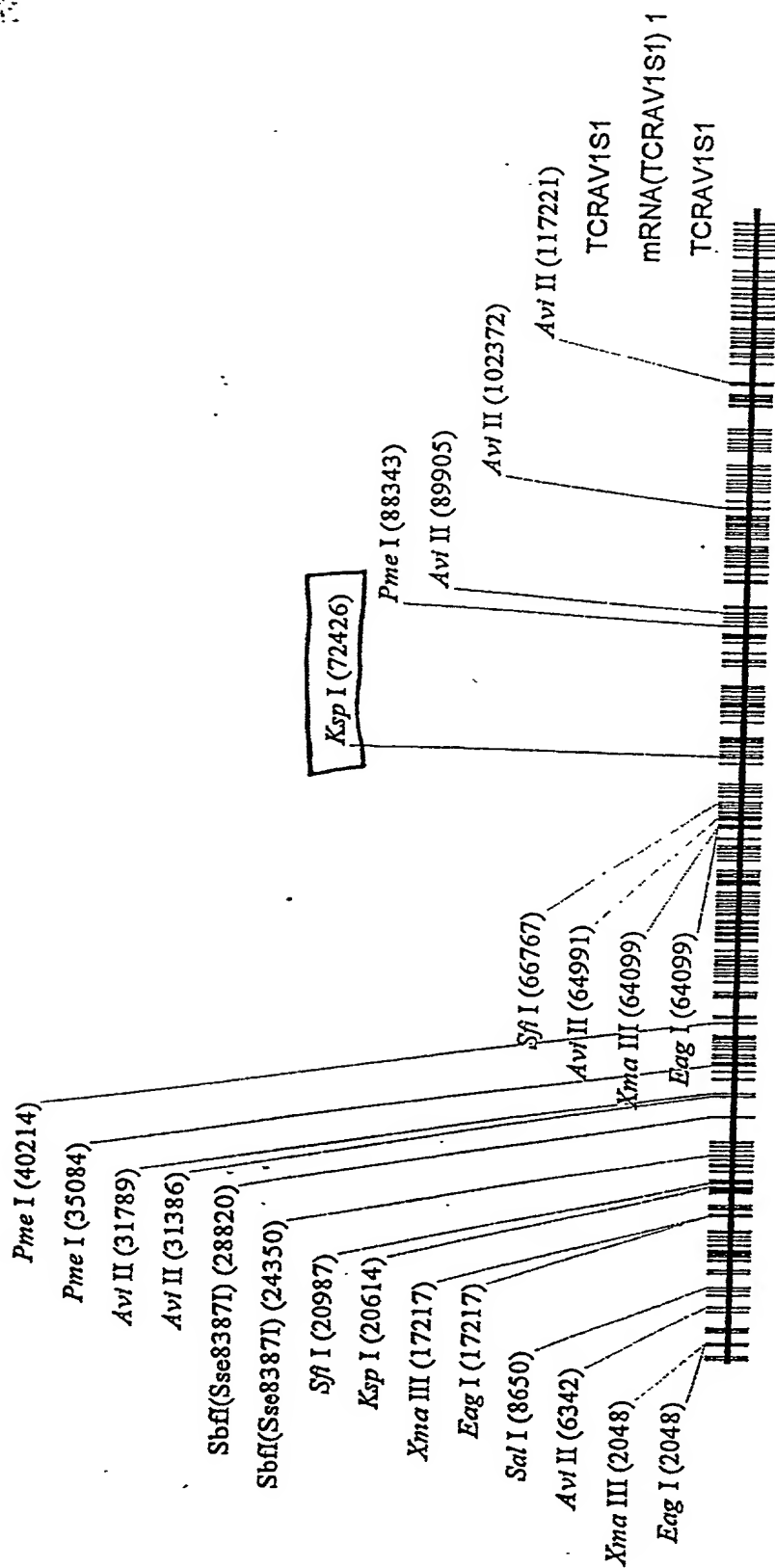


Fig. 4A



Fragment of HUAE000658
137784 bp (molecule 250529 bp)

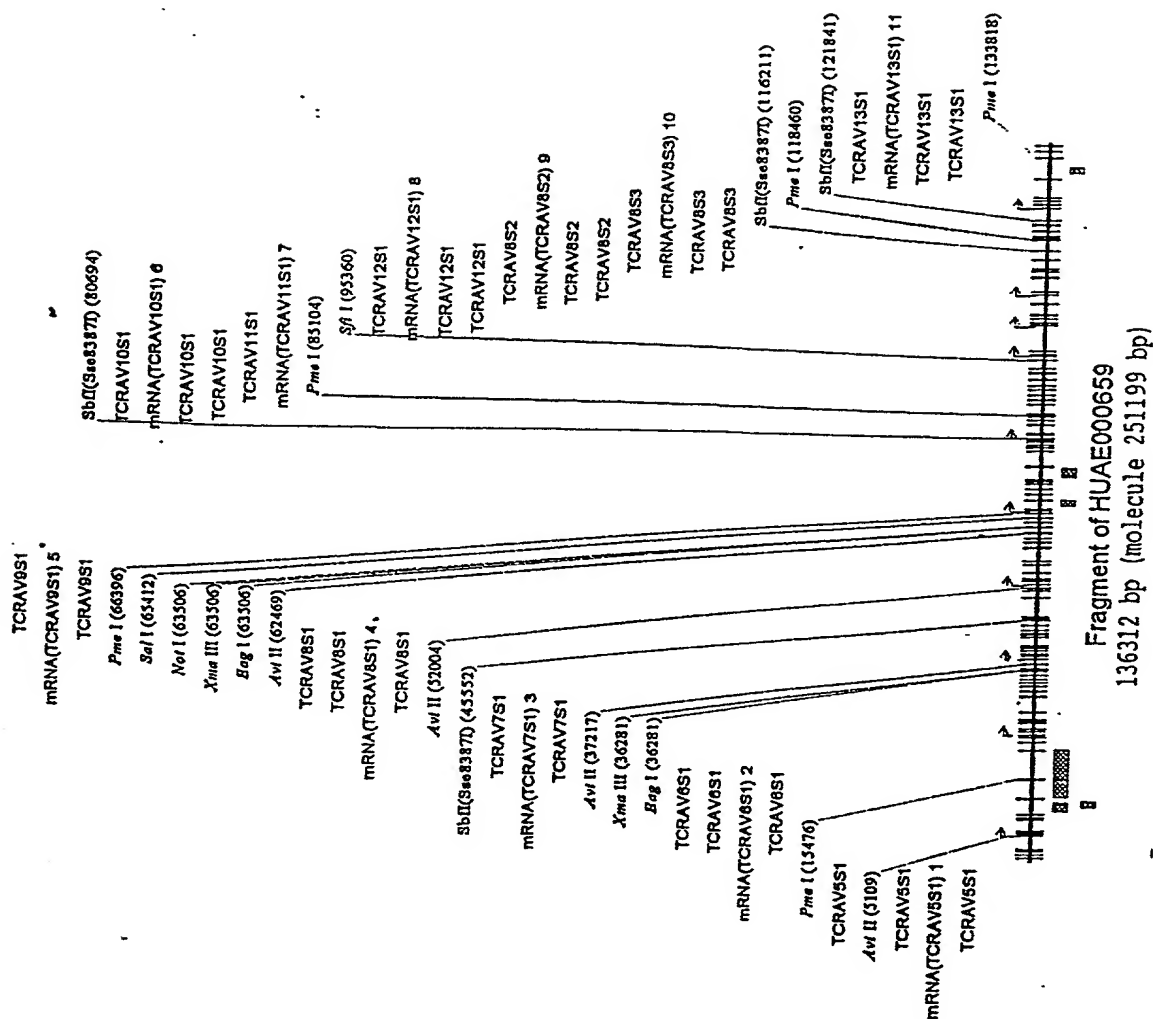
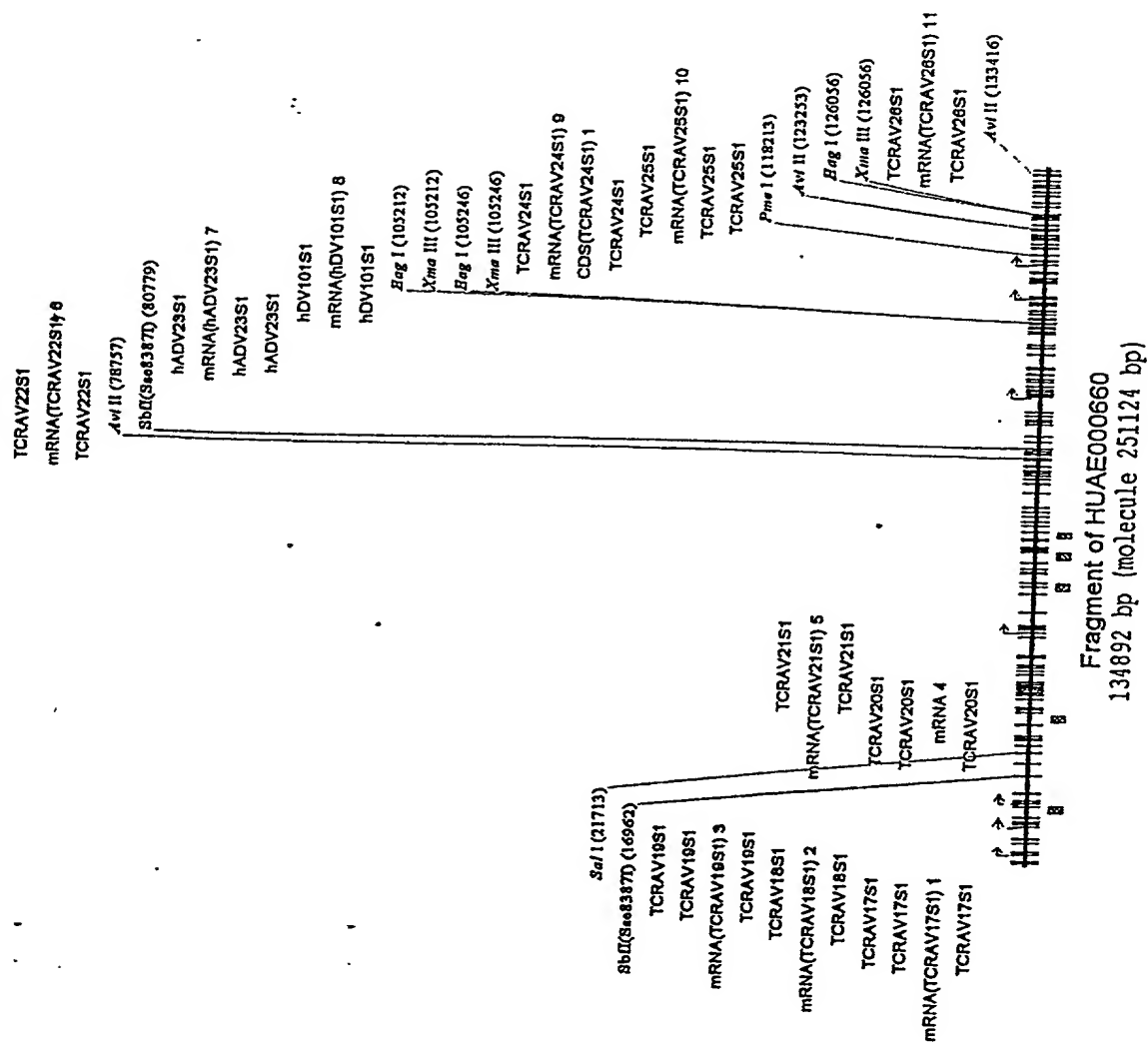
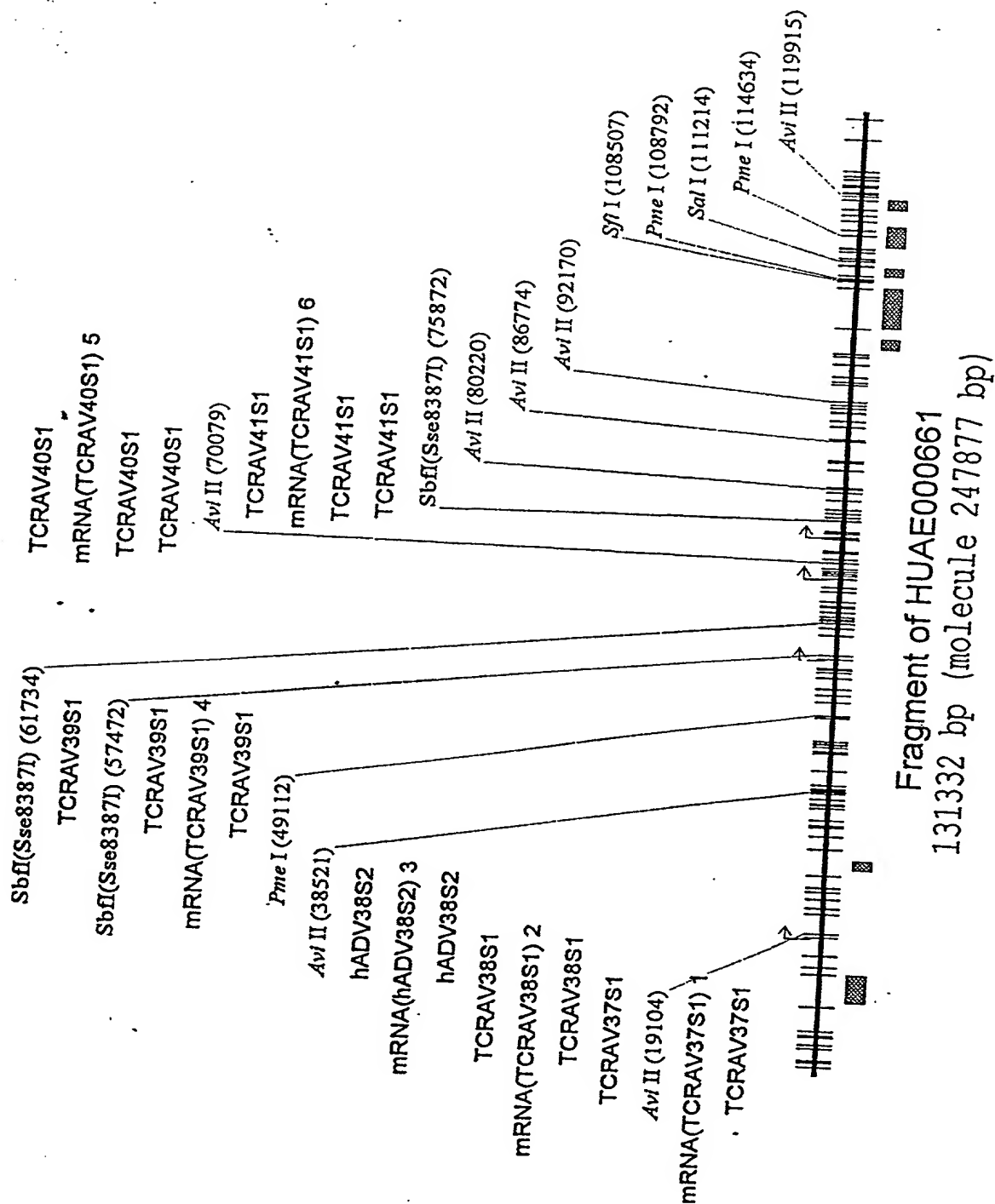
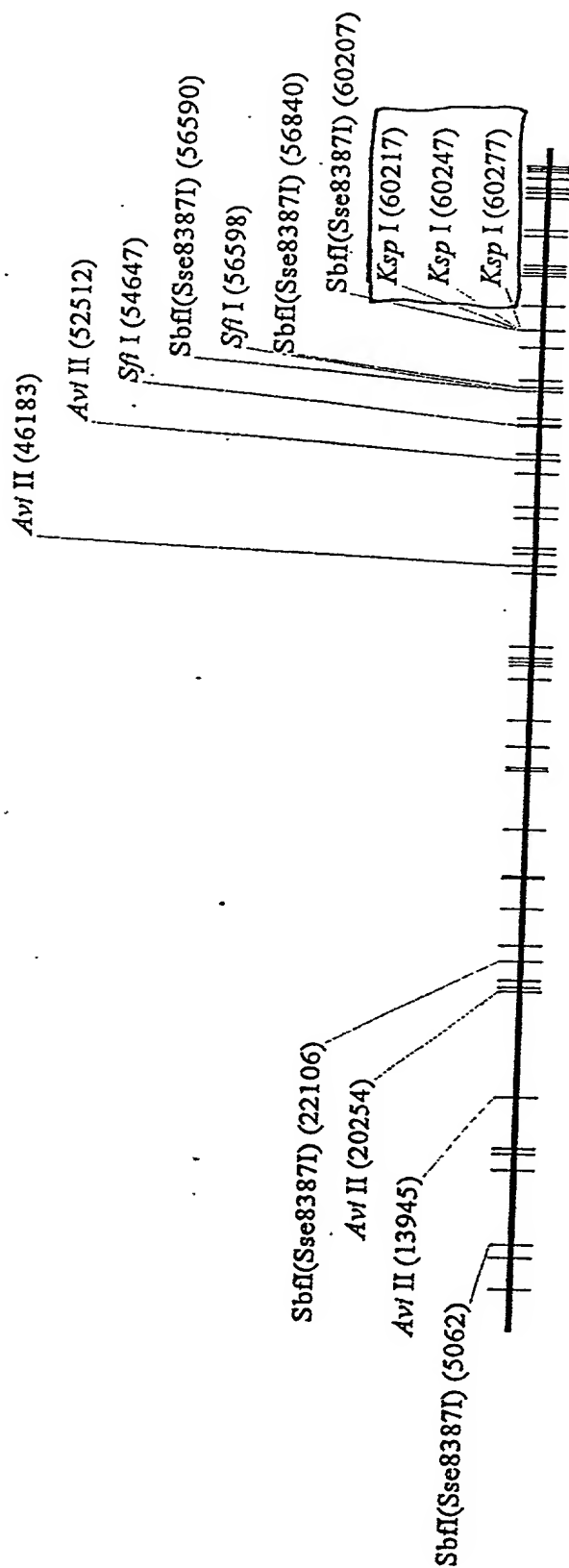


Fig 4d





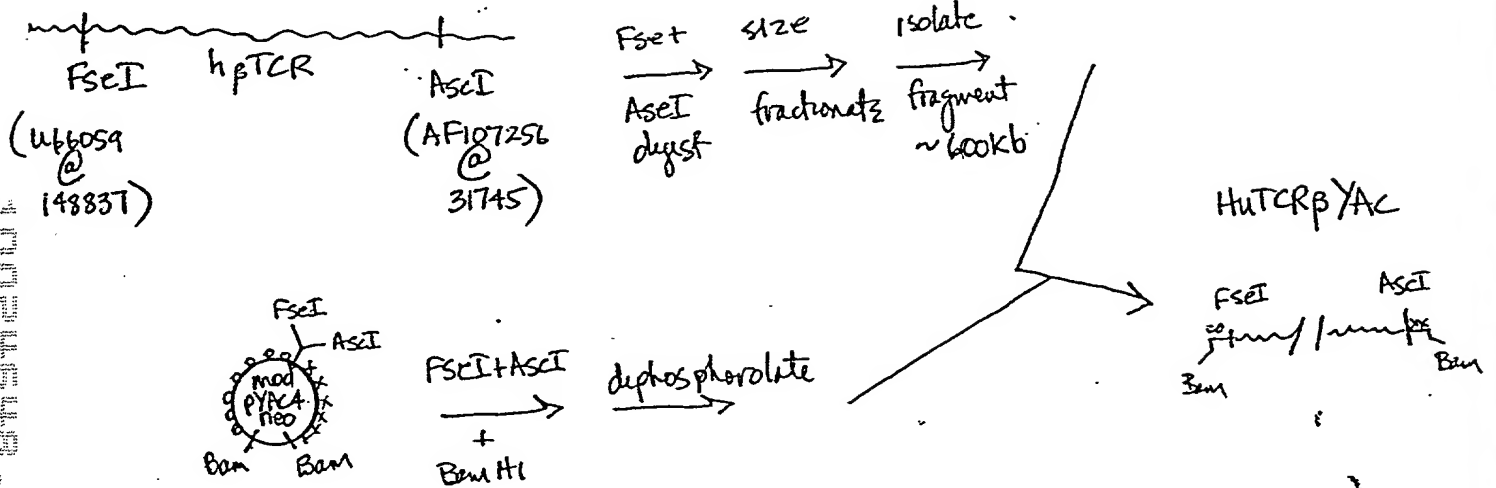


HUA000662

71153 bp

Figure 5 overview

human chromosomal DNA
Chromosome 7 locus 7q35



Markers
Components

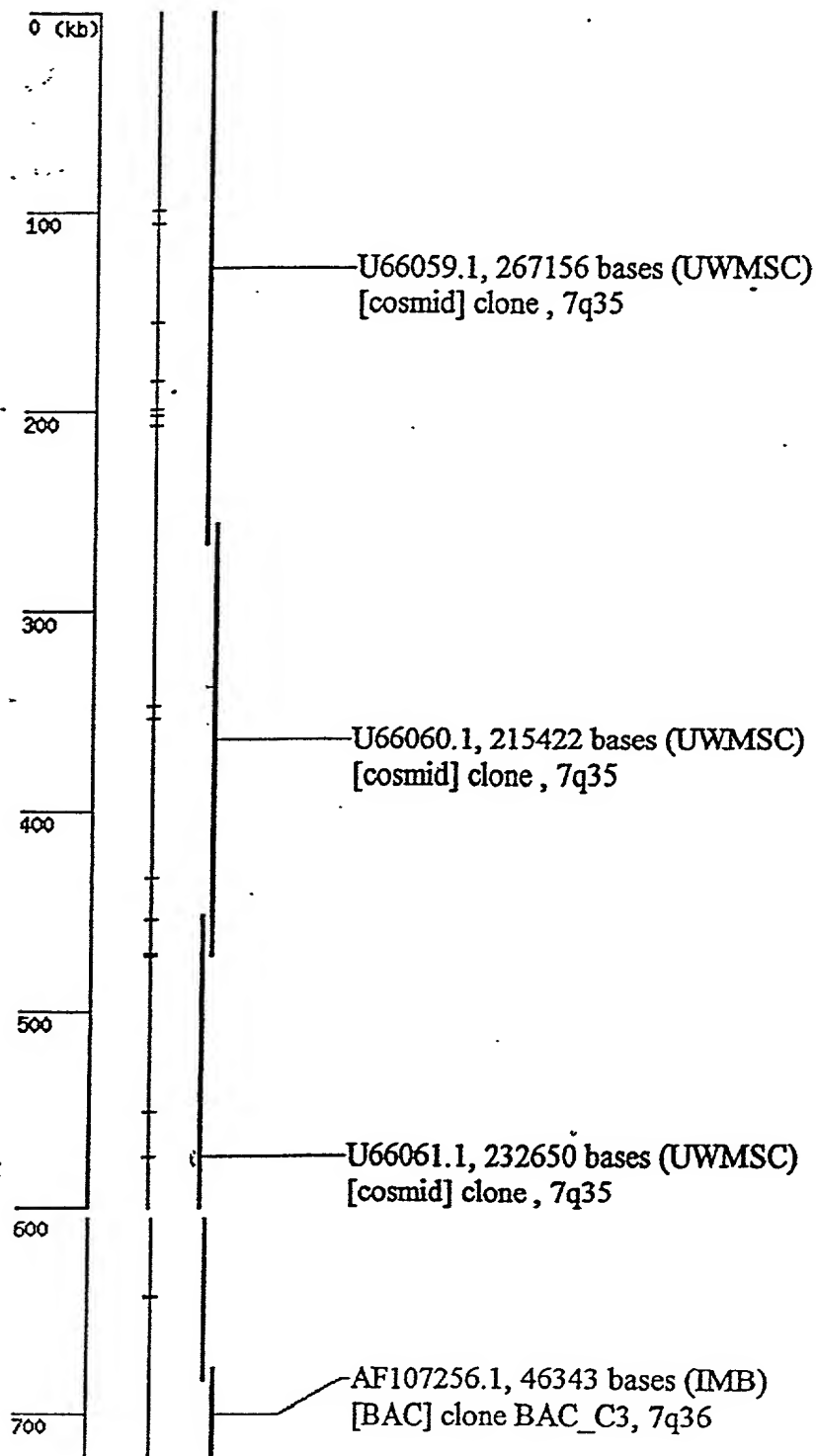


Fig 5A

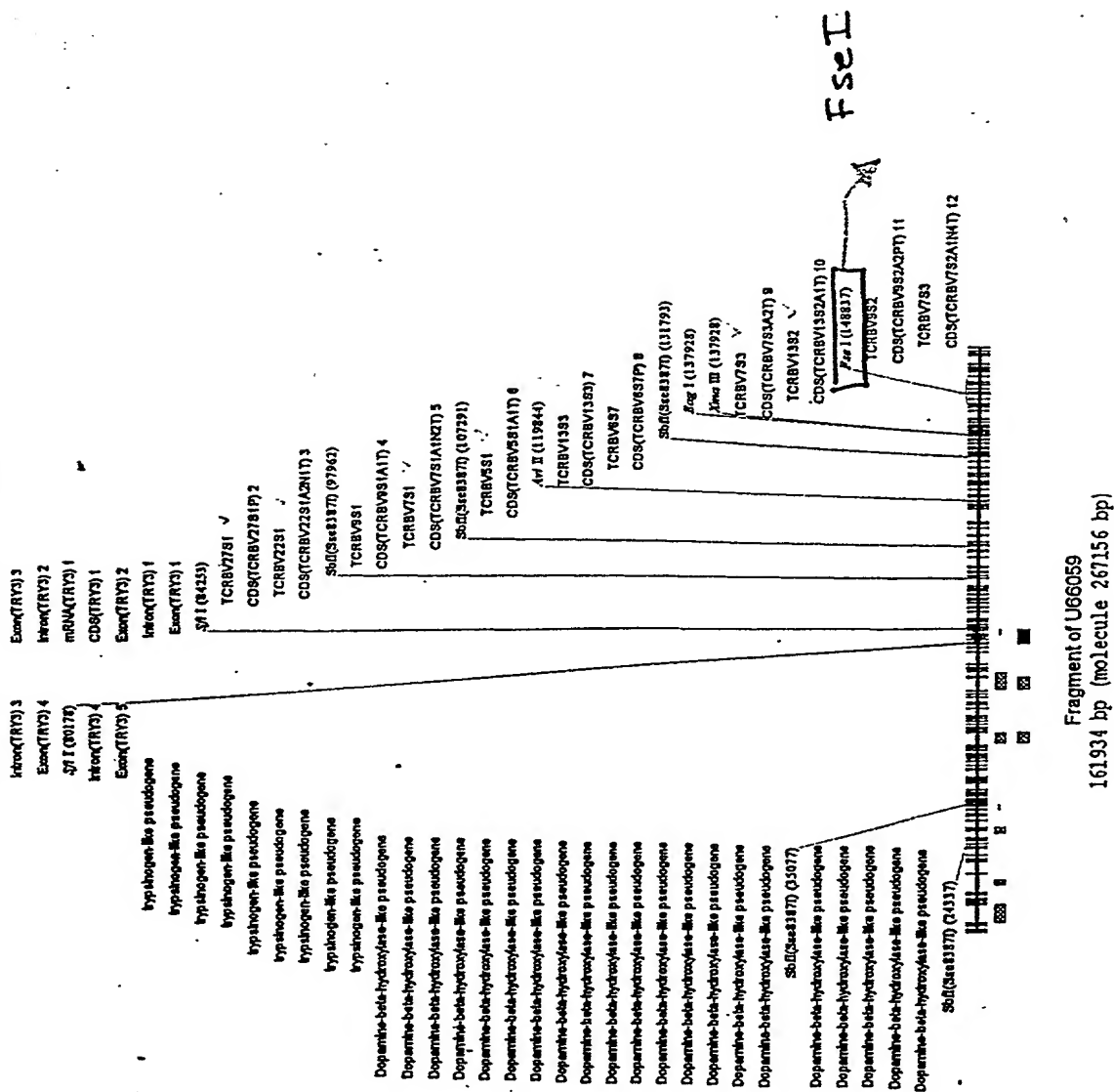
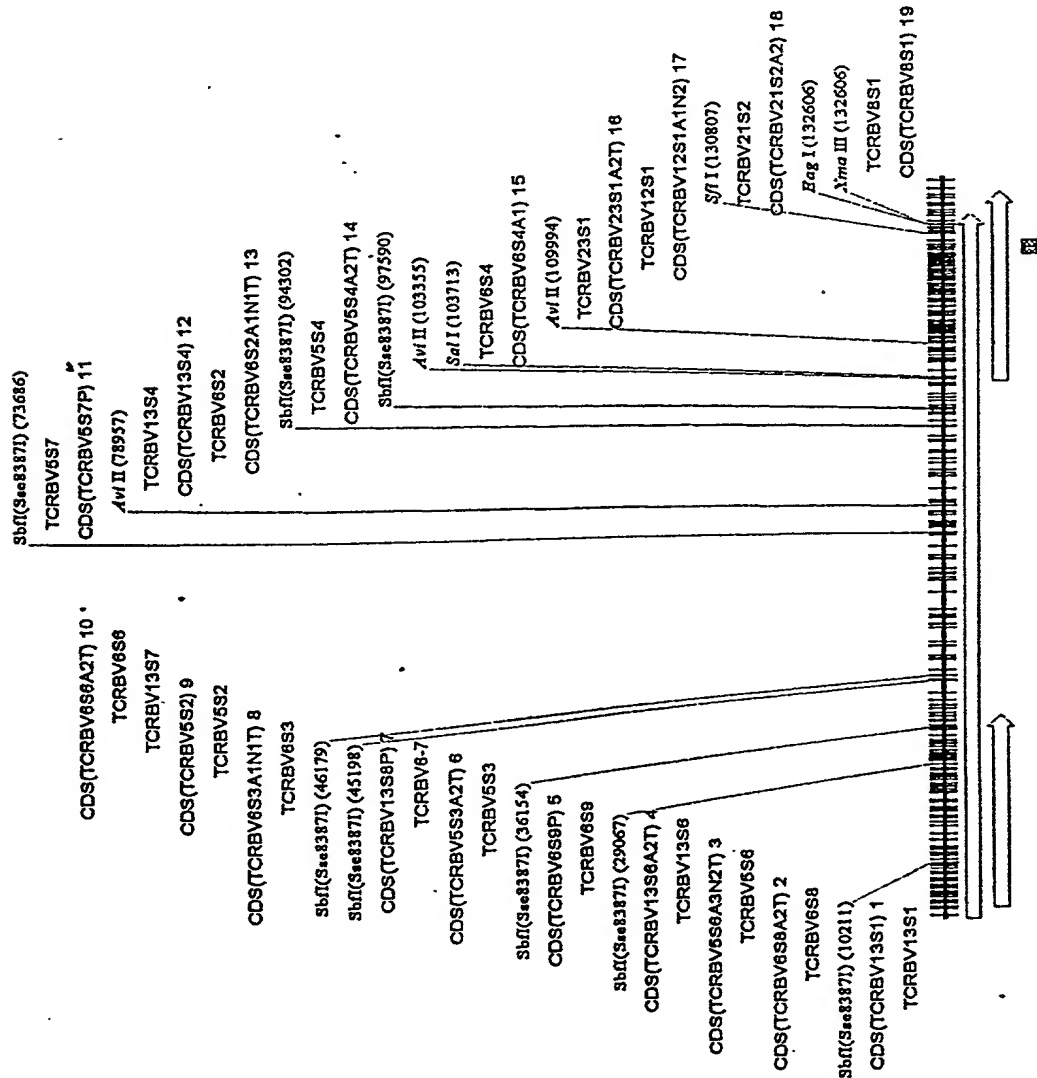
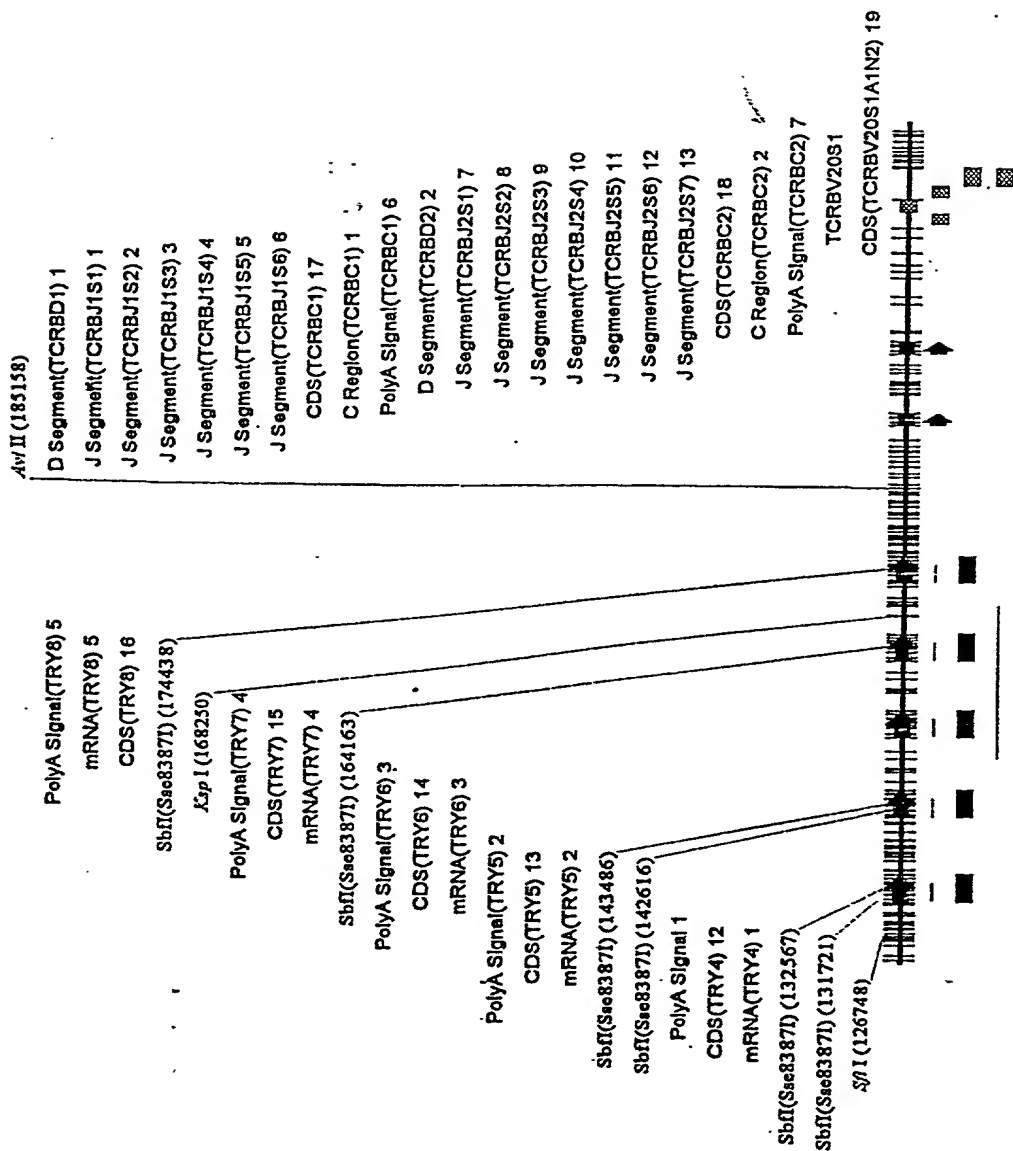
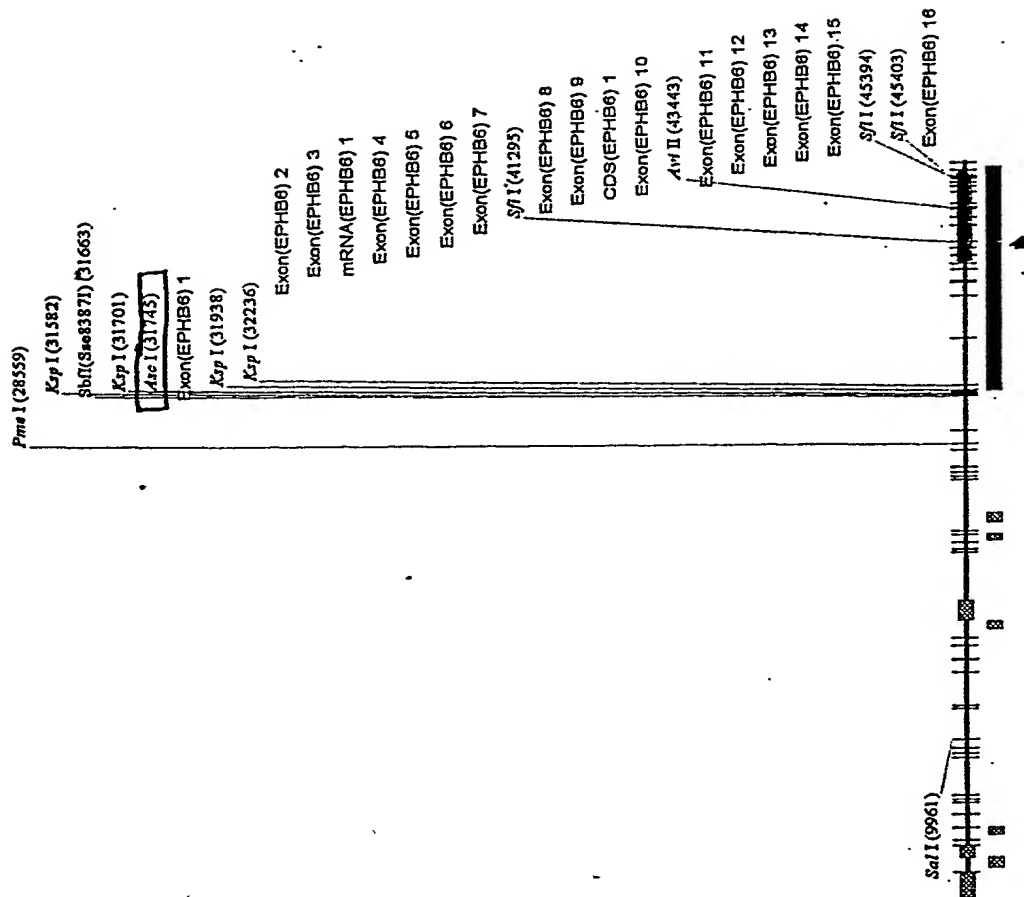


Fig 5 C





Fragment of U66061
109812 bp (molecule 232650 bp)



AF107268
46343 bp

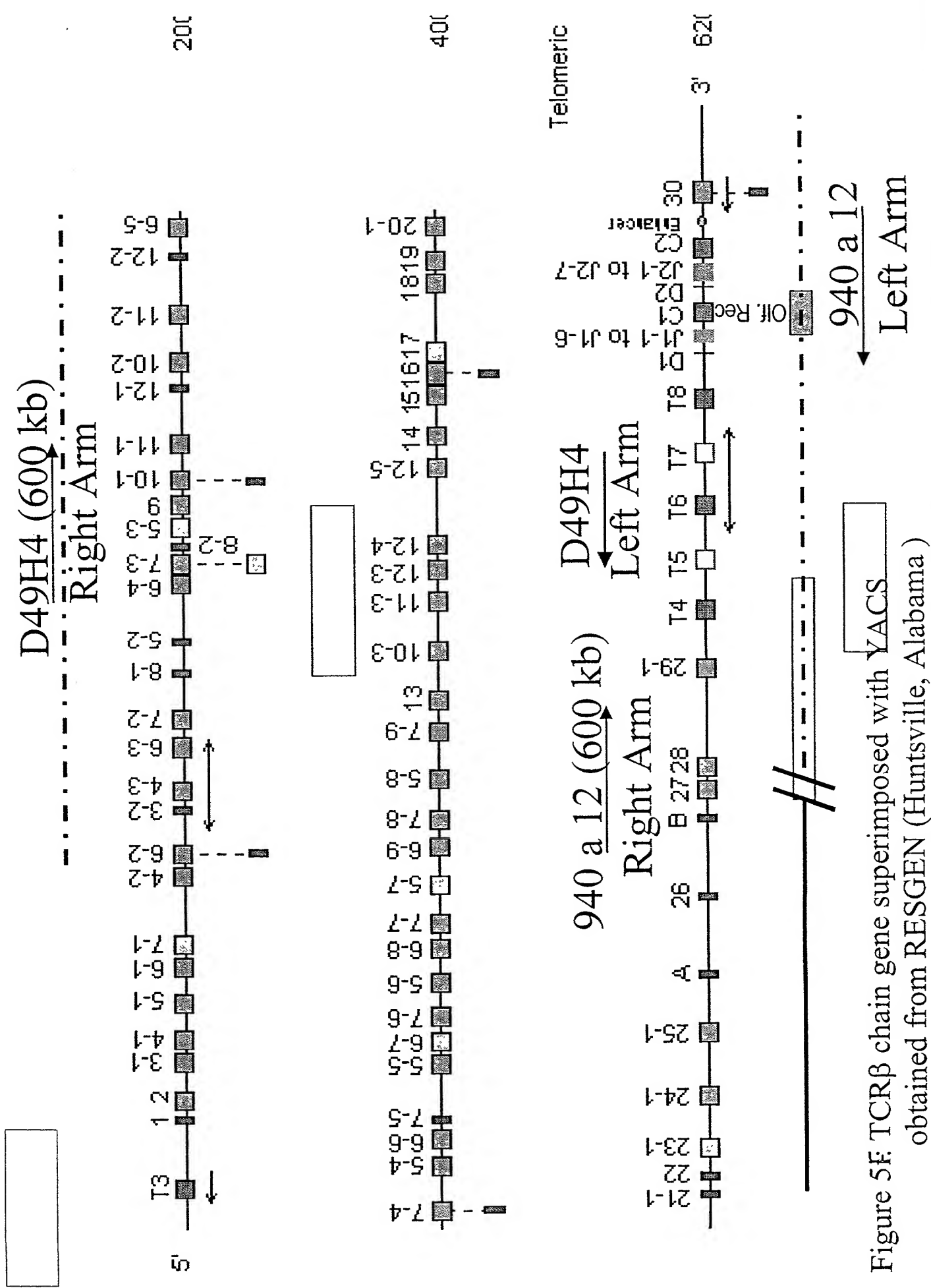
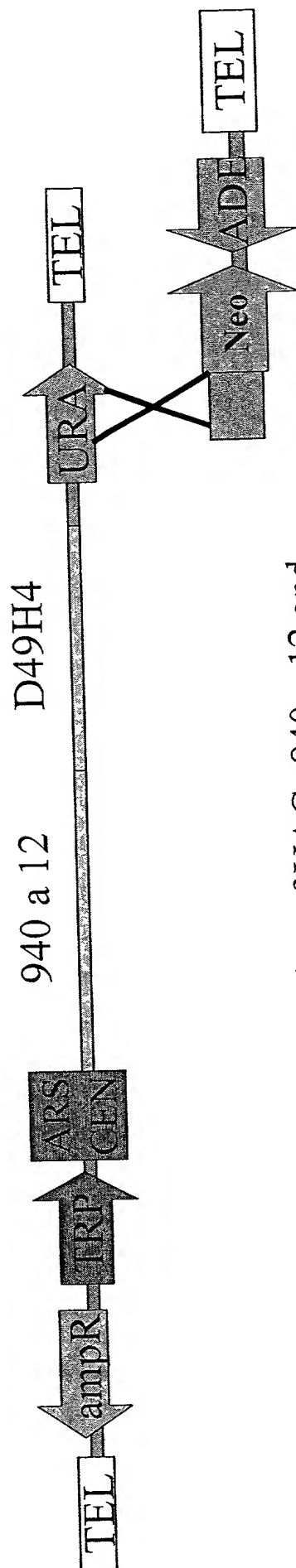


Figure 5F: TCRβ chain gene superimposed with YACS obtained from RESGEN (Huntsville, Alabama)

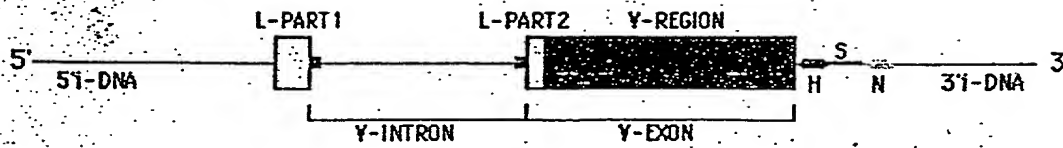
huTCR β YAC



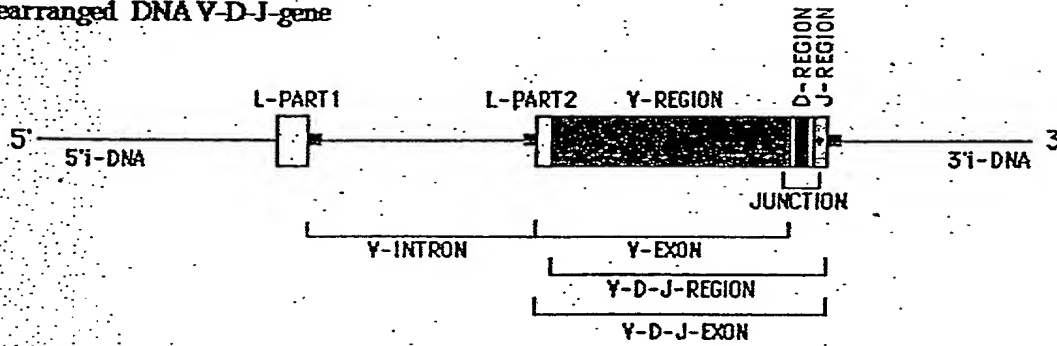
Modification vector

Figure 5G: Following recombination of YACs 940 a 12 and D49H4 to create the HuTCR β YAC, the right arm of the construct can be retrofitted with vectors containing regulatory sequences and/or mammalian selection cassettes.

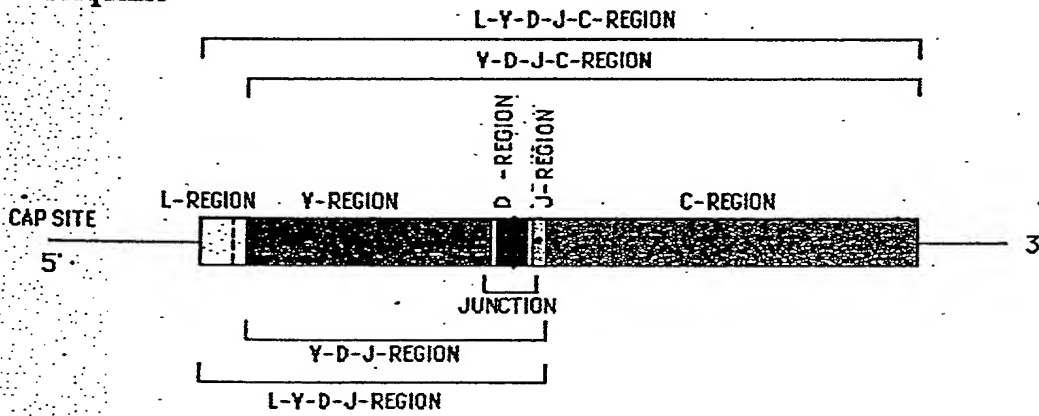
Germline Y-Gene



Rearranged DNA V-D-J-gene



cDNA sequence



Legend

- Acceptor splice or donor splice
- H: heptamer
- N: nonamer
- S: spacer
- J-TRP or J-PHE
- || N regions